

Fig 1

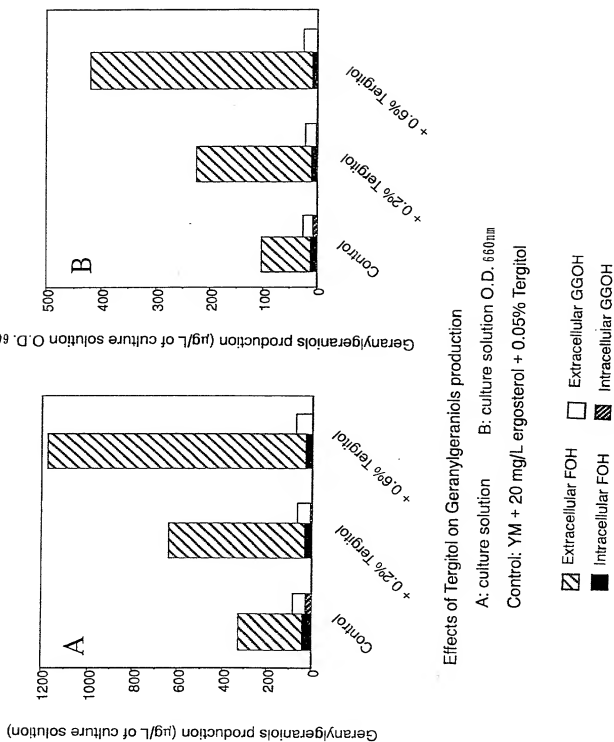
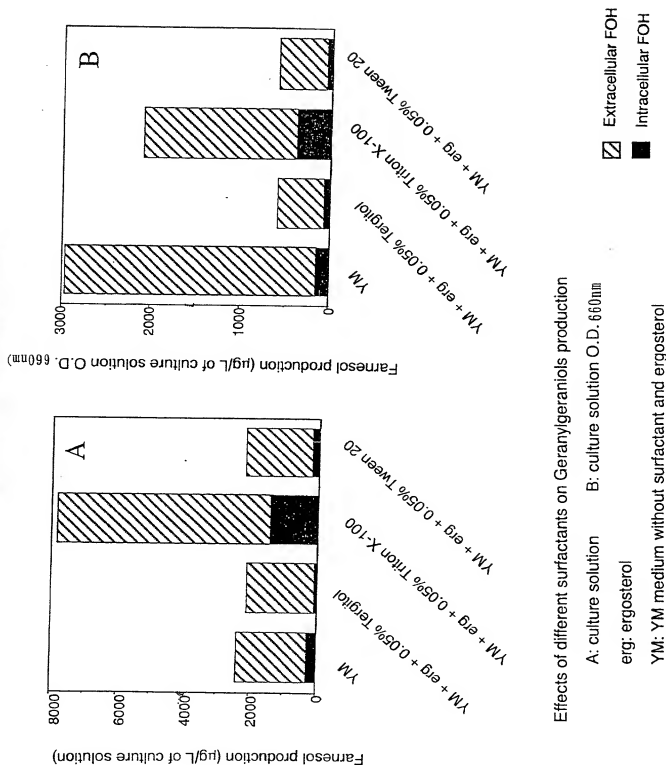


Fig 2

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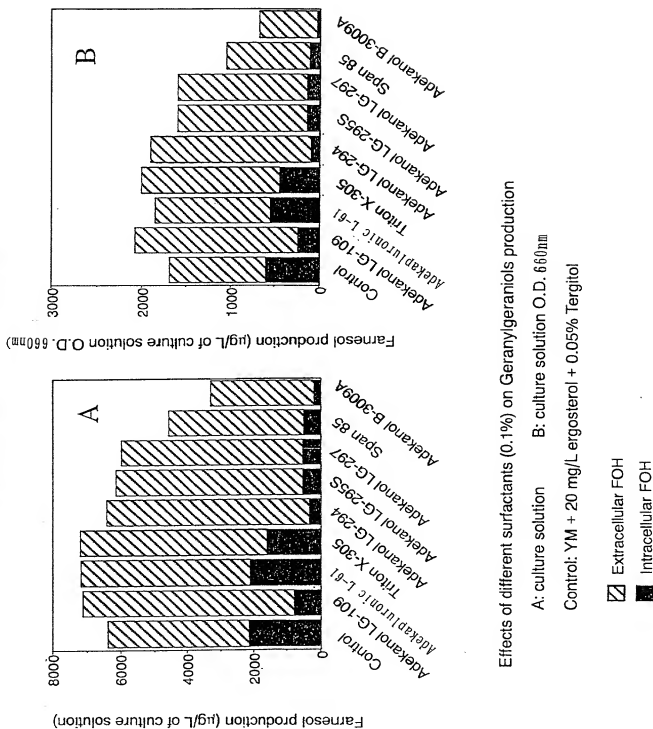
Effects of different surfactants on Geranylgeraniols production

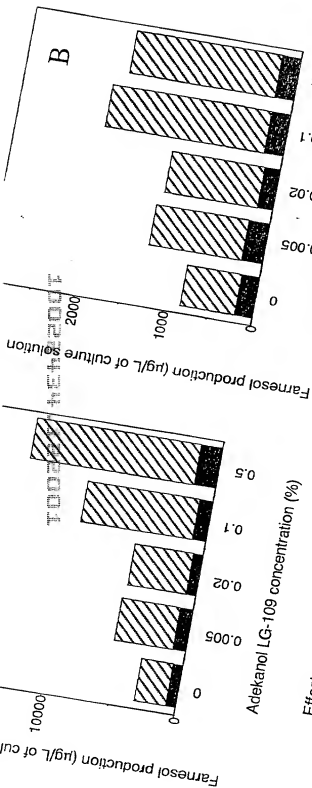
A: culture solution B: culture solution O.D. 660nm

erg: ergosterol

YM: YM medium without surfactant and ergosterol

Fig 3





Effects of Adekanol concentrations on Geranylgeraniols production

A: culture solution B: culture solution O.D. 660nm and 0.05% Tergitol

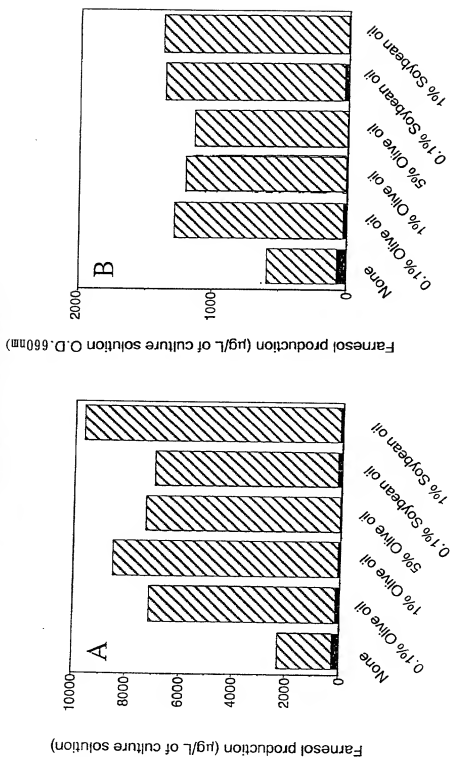
■ Extracellular FOH
■ Intracellular FOH

A: culture solution

None: YM + 20 mg/L ergosterol + 0.05% Tergitol

- Extracellular FOH
- Intracellular FOH

Fig 6



Effects of fats or oils on Geranylgeraniols production

A: culture solution B: culture solution O.D. 660nm

None; YM + 20 mg/L ergosterol + 0.05% Tergitol

Extracellular FOH

Intracellular FOH

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Fig 7

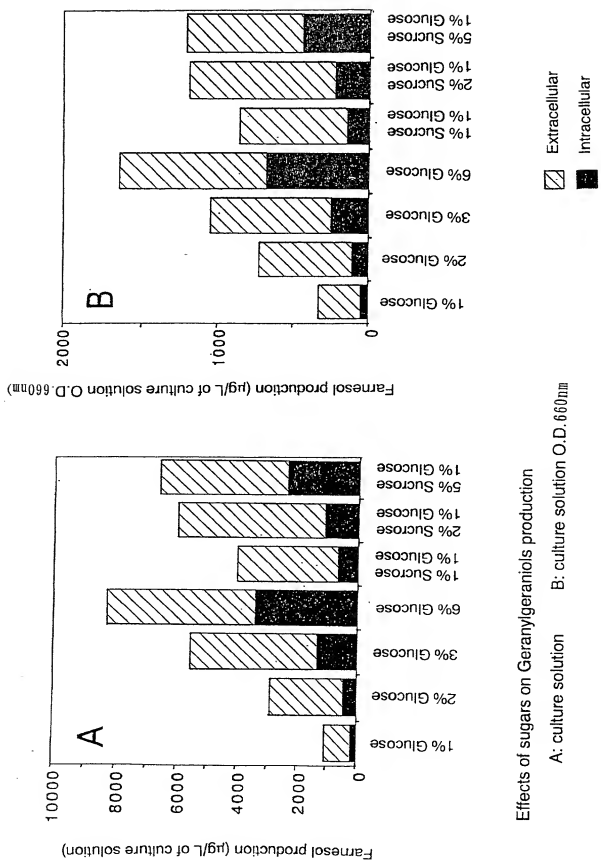
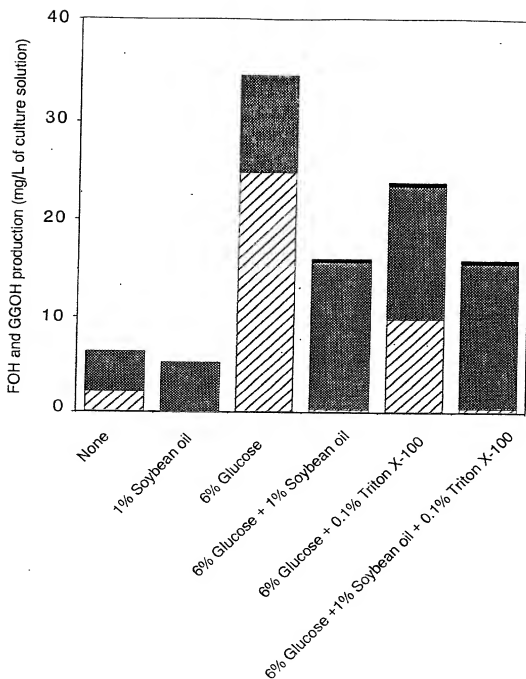


Fig 8

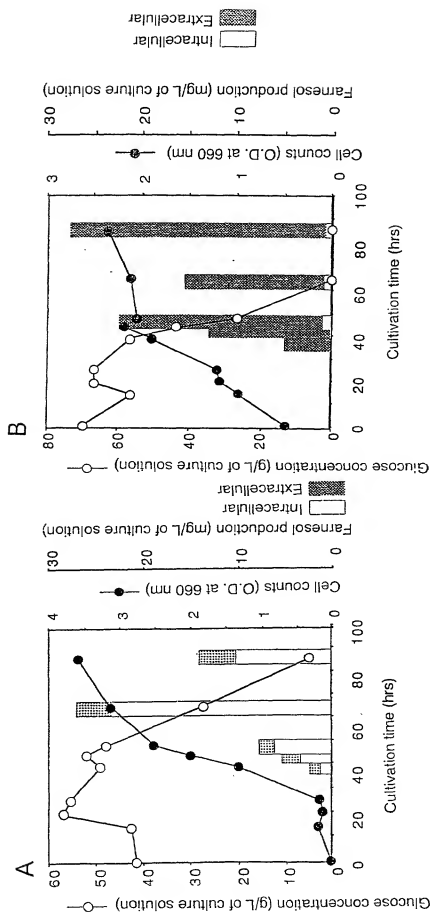


Effects of sugars, fats or oils and surfactants on Geranylgeraniols production

Extracellular FOH
 Intracellular FOH

Extracellular GGOH

Fig 9



Effects of soybean oil on farnesol production

A: YM medium supplemented with 5% glucose

B: YM medium supplemented with 5% glucose and 1% soybean oil

ATCC 64031 cells are cultured at a working volume of 5 L

Fig 10

Effects of soybean oil on geranylgeraniol production
(pRS435GGF/pRS434GAP-HMG1/YPH499#1)

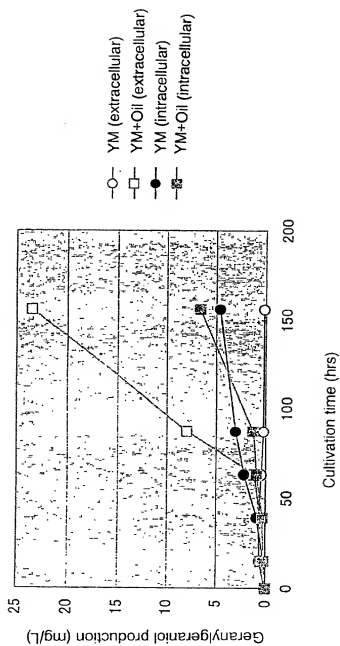


Fig 11

